Case Study: Video Surveillance

PROMISE® TECHNOLOGY, INC.

Johnson Controls Inc.

Solution Summary

At A Glance

- Johnson Controls Inc. (JCI) was tasked with building a new security platform for the Baghdad International Airport, the main highway connecting to the airport, and Baghdad's city center

- Required a high-capacity storage solution with a high level of flexibility

- Required reliable throughput for multiple simultaneous feeds without dropping frames

- Needed to be cost-effective to minimize overall expense

The PROMISE Solution

- JCI deployed over 40 VessRAID units to store video recorded from more than 400 cameras

Benefits

- Scalable, high-capacity storage system where all video can be stored safely and secured by the enterprise-grade PROMISE RAID engine

- Highly flexible and compatible with recording devices deployed as part of the solution

- High-bandwidth, low latency performance for fast access to video streams

- Best combination of price and performance

VessRAID Deployed in Major Video Surveillance Project in Baghdad

About Johnson Controls Inc.

Johnson Controls Inc. (JCI) is one of the largest building automation companies in the world focused on system integrations for big buildings, including creating safe and secure environments through high-performance video surveillance solutions. JCI works with the world's premier manufacturers, including PROMISE Technology, to provide their customers with the highest quality products with the latest technology. They do not just simply provide any surveillance solution, but deliver an integrated solution designed specifically to meet the requirements of the customer.

For years, Baghdad's International Airport and the highway connecting it to the city center were some of the most dangerous areas in all of Iraq. With the efforts to rebuild the infrastructure around Baghdad after years of violence, JCI (Turkey) was tasked with rebuilding the surveillance system at the Baghdad International Airport, the main route to the airport, and the city center. JCI chose PROMISE VessRAID as the storage solution for this massive project.

Vess For Video Surveillance

JCI was asked to help develop the security platform as part of the project to observe and control the traffic flow from Baghdad International Airport to Baghdad's city center. The deployment consists of more than 400 cameras throughout the airport, the main highway connecting the airport to the city center and the city center itself. After a thorough approval process, JCI deployed over 40 PROMISE VessRAID external storage units which are used to store the recorded video in the installation that includes more than 20 servers and 30 workstations. During the installation, JCI was supported remotely by a team of PROMISE engineers who also gave JCI extensive training on how to configure the storage solutions as part of the project.

Vess for Video Surveillance
Flexible. Powerful. Reliable.

Vess

More Video Surveillance Solutions from PROMISE:

Vess A2000 NVR Storage Appliance
- Reliable and stable performance for surveillance video recording
- Reduces deployment costs and complexity
- Certified/tested with industry leading video management software
- Easily add capacity with Vess external storage
- Enterprise-grade PROMISE RAID engine

Learn more:
www.promise.com/VessA2000

Vess R2000 External Storage Series
- Optimized for video surveillance
- Excellent expansion potential (up to 112 drives or 448TB) via Vess JBOD enclosures
- Designed for easy maintenance and serviceability
- Best price/performance available in the market
- Highly reliable with low failure rates

Learn more:
www.promise.com/VessR2000

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> *"VessRAID delivered the performance, flexibility and capacity the project required in a storage system that was more cost-effective than competing solutions."*

PROMISE Technology brings 25 years of design and manufacturing experience to its sophisticated storage solutions for the video surveillance market. The Vess series includes the VessRAID units deployed by JCI, in addition to the latest Vess A2000 NVR storage appliances for IP video surveillance and the Vess R2000 external storage series. All Vess solutions are optimized for video surveillance applications, providing surveillance integrators and installers a cost-effective umbrella solution for video data management. High-capacity storage optimized for video surveillance delivered flexibility, performance and compatibility to JCI in a surveillance environment that is one of the most precarious in the world.

Why It Works For JCI

For this deployment, the main reason JCI chose VessRAID was because of the large storage capacity it offered and the incredible flexibility it provided. An important factor for JCI was that VessRAID is compatible with the software and recording devices they deployed which helped reduce the complexity of the installation and shortened the time of the engineering stage required to get it up and running. Plus, VessRAID provides JCI with a scalable, high-capacity storage system where all video can be preserved and kept in a secured database that is protected by the enterprise-grade PROMISE RAID engine.

With a distributed network infrastructure where all of the devices are managed over multiple stations at the same time, high-bandwidth, low latency performance is crucial to provide the access to the video of the airport, highway and city center in Baghdad. VessRAID has risen to the challenge by delivering reliable throughput for multiple simultaneous feeds without dropping frames. Additionally, when comparing competing solutions, VessRAID provided clear advantages by delivering the best combination of price and performance.

"JCI is trusted by companies around the world to deliver solutions that solve challenges customers face in even the most demanding environments," said Bilsay Çıtak, Senior Sales Engineer, Johnson Controls Inc. "The video surveillance project in Baghdad was an important part of rebuilding the infrastructure of the city which not only ensures the security of the environment but also helps manage the flow of traffic. VessRAID delivered the serformance, flexibility and capacity the project required in a storage system that was more cost-effective than competing solutions."